

CLAIMS

What is Claimed Is:

1. A knitted fabric suitable to provide thermal resistance, moisture transport and cut resistance having two opposite faces with:
 - 5 (a) a first face comprising (i) strands of a sheath/core construction with a sheath of cut-resistant fibers and a metal core and (ii) hydrophilic fibers and
 - (b) a second face comprising hydrophilic fibers with the proviso that the strands of the sheath/core construction are not present on the second face and the further proviso that hydrophylic fibers extend from the second face to the first face.
2. The knitted fabric of claim 1 wherein the cut resistant fibers
15 comprise aramid.
3. The knitted fabric of claim 1 wherein the cut resistance fibers
comprise polyethylene.
- 20 4. The knitted fabric of claim 1 wherein the cut resistance fibers
comprise staple fibers.
5. The knitted fabric of claim 1 wherein the metal core
comprises a ductile metal.
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6. The knitted fabric of claim 5 wherein the metal is stainless
steel.
7. The knitted fabric of claim 1 wherein the hydrophilic fibers
30 comprise polyester.
8. The knitted fabric of claim 1 wherein the first face has a cut
resistance of at least 4000 g measured in accordance with ASTM F1790-
97.

9. The knitted fabric of claim 1 wherein the fabric has a thermal resistance of at least 0.50 clo.
10. The knitted fabric of claim 1 wherein the fabric has a permeability index of at least 0.50.
11. A knitted fabric suitable to provide thermal resistance, moisture transport and cut resistance having two opposite faces with:
- 15 (a) a first face comprising (i) strands of a sheath/core construction with a sheath of cut-resistant fibers and a metal core and (ii) hydrophilic fibers and
(b) a second face comprising hydrophilic fibers with the proviso that the strands of the sheath/core construction are not present on the second face and the further proviso that hydrophylic fibers extend from the second face to the first face,
- 20 wherein the fabric has a cut resistance on a first face of at least 4000 g measured in accordance with ASTM F1790-97, and a permeability index of at least 0.50.
- 25 12. The knitted fabric of claim 11 with a thermal resistance of at least 0.50.
13. The knitted fabric of claim 1 present as an article of clothing.
- 30 14. The knitted fabric of claim 13 present as a glove.
15. The knitted fabric of claim 11 present as an article of clothing.
16. The knitted fabric of claim 15 present as a glove.